# SLOVENSKI STANDARD
# SIST EN ISO 13803:2015

**01-januar-2015**

**Nadomešča:**
**SIST EN ISO 13803:2004**

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**Barve in laki - Določevanje meglice premaznih sredstev pod kotom 20 stopinj (ISO 13803:2014)**

Paints and varnishes - Determination of haze on paint films at 20 degrees (ISO 13803:2014)

Beschichtungsstoffe - Bestimmung des Schleiers von Beschichtungen bei 20° (ISO 13803:2014)



Peintures et vernis - Détermination du flou sur des feuils de peinture à 20 degrés (ISO 13803:2014)



**Ta slovenski standard je istoveten z:** **EN ISO 13803:2014**

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**ICS:**

| | | |
|---|---|---|
| 87.040 | Barve in laki | Paints and varnishes |

**SIST EN ISO 13803:2015** **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 13803

October 2014

ICS 87.040

Supersedes EN ISO 13803:2004

English Version

# Paints and varnishes - Determination of haze on paint films at 20 degrees (ISO 13803:2014)

Peintures et vernis - Détermination du voile sur des feuils de peinture à 20 degrés (ISO 13803:2014)

Beschichtungsstoffe - Bestimmung des Schleiers von Beschichtungen bei 20° (ISO 13803:2014)

This European Standard was approved by CEN on 24 August 2014.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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# Foreword

This document (EN ISO 13803:2014) has been prepared by Technical Committee ISO/TC 35 “Paints and varnishes” in collaboration with Technical Committee CEN/TC 139 “Peintures et vernis” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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**Endorsement notice**

The text of ISO 13803:2014 has been approved by CEN as EN ISO 13803:2014 without any modification.

INTERNATIONAL STANDARD

**ISO 13803**

Second edition
2014-10-01

# Paints and varnishes — Determination of haze on paint films at 20°

*Peintures et vernis — Détermination du voile sur des feuils de peinture à 20°*



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# Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.



The committee responsible for this document is ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.



This second edition cancels and replaces the first edition (ISO 13803:2000), which has been technically revised. The main technical changes are:

a) the symbols have been adapted to the revision of ISO 2813;

b) an introduction and a principle clause have been added;

c) the supplementary test conditions have been included in the test report;

d) the normative references have been updated.

 

# Introduction

High quality surfaces are expected to have a clear and brilliant appearance. Microstructures can cause a milky appearance. This effect is described as haze. A high gloss surface with microscopic texture has diffused light with low intensity adjacent to the main direction of reflection. The majority of the incident light is reflected in the specular direction which will make the surface appear high glossy with image forming qualities, but with a milky haziness on top of it.

The phenomenon haze can be seen on high gloss surfaces only. Therefore, the 20° geometry is used like with a gloss meter. The aperture range of a 20° gloss meter is 1,8°. Two additional sensors next to the gloss detector measure the intensity of the diffused light responsible for haze. Thus, the specularly reflected and the scattered light are measured simultaneously. In order to better correlate with the visual perception, haze is displayed in a logarithmic scale – the lower the haze reading the better the surface.